Cheung, Wendy

From: pat obrien <pwob@comcast.net>
Sent: Wednesday, March 8, 2017 10:20 AM
To: Cheung, Wendy
Subject: RE: ECCV DI-2 - TDS Calculations using DI-1 electric log data

HI Wendy,

I have been out of town and just got your email.

I am working on the D and J sand question and will get back to you soon.

I am fairly certain all the Dakota data in Table A3 are D and J sand numbers.

POB

From: Cheung, Wendy [mailto:Cheung.Wendy@epa.gov]
Sent: Tuesday, March 07, 2017 9:44 AM
To: pat obrien
Subject: RE: ECCV DI-2 - TDS Calculations using DI-1 electric log data

Pat,

Based on the CBL, the competent cement (defined as 80% cement bond) begins in the Greenhorn. Below that interval also exists the "D" and "J" SS. I know historically this has been an oil/gas bearing zone, however, that doesn't mean it obviates the aquifer from being a USDW as well. We also need to analyze this zone as it sits below the Greenhorn. Alternatively, if production water sample exists from the nearby HSR Eppinger 1-1 well, that would be helpful as well.

Thanks, Wendy

From: pat obrien [mailto:pwob@comcast.net]
Sent: Friday, February 10, 2017 1:17 PM
To: Cheung, Wendy <Cheung.Wendy@epa.gov>
Subject: FW: ECCV DI-2 - TDS Calculations using DI-1 electric log data

Hi Wendy,

Here is the last piece of information I owe you on the DI-2 well.

It is the report done by IPT estimating TDS levels in the formations between the Laramie Fox Hills and the Lyons formations using the electric log in DI-1.

Please review and let me know if you have any questions.

Pat OBrien